

CLAIMS

Claims 1-46 were originally filed. No claims have been added or cancelled. Claims 1-27 and 30-31 have been amended. Claims 28-29 and 32-46 remain as originally filed. Claims 1-46 are currently pending.

1. (Currently Amended) An apparatus for shaking a container, comprising:
a base plate;
a motor mount supported by said base plate;
a motor coupled to said motor mount
a shaft, wherein said motor is configured to rotate said shaft;
a wheel coupled to said shaft, wherein said wheel is configured to eccentrically rotate about said shaft;
a bearing, wherein said wheel is configured to rotate within said bearing;
a container base coupled to said bearing such that said container base is configured to move in substantial accordance with said eccentric rotation of said wheel;
and
at least one container coupled to said container base;
wherein said base plate is configured to flex according to said translation of said container base.

2. (Currently Amended) The apparatus of claim 1, wherein said base plate is a cantilevered base plate and wherein said wheel is a cam, and wherein the container tilts in substantial accordance with the translation of said container base.

3. (Currently Amended) The apparatus of claim 1, wherein said base plate is made of a material that allows said base plate to be configured to flex generally downward as said container base moves away from a fixed portion of said base plate.

4. (Currently Amended) The apparatus of claim 1, wherein said base plate is made of a material that allows said base plate to be configured to flex generally upward as said container base moves toward a fixed portion of said base plate.

5. (Currently Amended) The apparatus of claim 1, wherein said base plate facilitates a tilting of said container base and at least one container with respect to a horizontal surface of said base.

6. (Currently Amended) The apparatus of claim 5, wherein said tilting occurs in a first plane that is perpendicular to a second plane in which the rotation of said wheel, and wherein said of said container base facilitates a change to a center of motion of at least one said container.

7. (Currently Amended) The apparatus of claim 1, wherein said shaft is a generally vertical shaft, and wherein said generally vertical shaft is oriented to be in substantial accordance of said flex of said base plate.

8. (Currently Amended) The apparatus of claim 1, wherein the movement of said container base includes a generally lateral motion with respect to said shaft, and wherein said shaft is a generally vertical shaft, and wherein the container base tilts in accordance with the flex of said base plate..

9. (Currently Amended) The apparatus of claim 1, wherein a retaining mechanism is coupled to said container base, said retaining mechanism being configured to dampen an up-down tilt range a motion of said container base.

10. (Currently Amended) The apparatus of claim 9, wherein said retaining mechanism is configured to facilitate a changes to a direction of motion of said container base.

11. (Currently Amended) The apparatus of claim 9, wherein said retaining mechanism includes at least one of: (a) an elastic band; (b) a rubber band; and (c) a spring.

12. (Currently Amended) The apparatus of claim 1, wherein the motion of said container base and said flex of said base plate facilitate a mixing of contents within at least one said container by impacting the motion of said container.

13. (Currently Amended) The container shaker of claim 1, wherein the motion of said container base and said flex of said base plate does not facilitate a cause separation of contents within at least one said container, and wherein when said contents comprise substances with different densities.

14. (Currently Amended) The apparatus of claim 1, wherein at least one said container is a sealed 3 oz. bottle, includes a portion of nail polish.

15. (Currently Amended) The apparatus of claim 1, further including a variable power source configured to adjust a rotational speed of said shaft, and wherein the mass of said apparatus is less than approximately 6.8 kilograms.

16. (Currently Amended) The apparatus of claim 1, wherein said apparatus generates no more than approximately 10 decibels of noise during operation of said apparatus at a distance of 2 feet from said apparatus without an intervening sound dampening barrier.

17. (Currently Amended) The apparatus of claim 1, said apparatus further comprising a retaining post and a retaining band, wherein said base plate includes a rubber component and a steel component, wherein said retaining post includes a plastic component, and wherein said retaining band is a rubber band. comprising a plastic component and a rubber component.

18. (Currently Amended) The apparatus of claim 1, wherein said container base provides for coupling with up to five sealable 3 oz. bottles.

19. (Currently Amended) The apparatus of claim 18, wherein said nail polish shaker is configured to shake as many as four a plurality of containers simultaneously.

20. (Currently Amended) The apparatus of claim 1, wherein said apparatus has a mass no greater than weighs no more than approximately 6.8 kilograms 15 lbs.

21. (Currently Amended) The apparatus of claim 1, said apparatus further comprising a power source, wherein said power source is an internal battery apparatus is configured to receive power from an internal battery.

22. (Currently Amended) The apparatus of claim 1, said apparatus further comprising a power source, wherein said power source is a cord apparatus is configured to receive power from an external power source.

23. (Currently Amended) A shaking device, comprising:

~~a generally vertical axis configured to dynamically tilt according to a momentum of at least one container;~~

a wheel configured to spin about said generally vertical axis; and

configuring said container base interfacing with said wheel such that said container base is configured to ~~dynamically tilt while spinning in laterally translate with respect to said generally vertical axis in general accordance with said spinning of said wheel, wherein said container base is configured to secure the position of the container on said container base while said container base is in motion~~ supports at least one container;

~~wherein said momentum is generated at least in part by said lateral translation of said container base and said tilting of said generally vertical axis.~~

24. (Currently Amended) The shaking device of claim 23, wherein a retaining mechanism is ~~configured to change said momentum, said retaining mechanism being coupled between said container base and a stationary part of said shaking device.~~

25. (Currently Amended) The shaking device of claim 24, wherein said retaining mechanism includes ~~an elastic band retaining band~~ configured to change a direction of motion of said container base.

26. (Currently Amended) The shaking device of claim 23, wherein said tilting facilitates a change to a center of motion of said at least one said container, ~~and wherein at least one said container dynamically tilts while spinning along with the container base.~~

27. (Currently Amended) The shaking device of claim 23, wherein said tilting to said ~~container and said container base generally vertical axis~~ is caused at least in part by a base plate configured to flex.

28. (Originally Filed) The shaking device of claim 27, wherein said base plate is configured to flex generally downward as said container base translates away from a supported portion of said base plate.

29. (Originally Filed) The shaking device of claim 27, wherein said base plate is configured to flex generally upward as said container base translates toward a supported portion of said cantilevered base plate.

30. (Currently Amended) An apparatus configured to mix contents of a container by applying a plurality of motions to the container, said apparatus plurality of motions comprising:

a container base configured to secure the container;

a means for laterally translating of the container base with respect to a generally vertical axis; and

a means for tilting of said generally vertical axis, wherein said tilting adjusts a direction of said lateral translating such that said direction is approximately perpendicular to said generally vertical axis.

31. (Currently Amended) The apparatus of claim 30, wherein said lateral translating means includes is generated at least in part by a wheel spinning about said generally vertical axis.

32. (Originally Filed) The apparatus of claim 31, wherein said wheel spins in a plane that is generally parallel to said direction of lateral translating.

33. (Originally Filed) The apparatus of claim 30, wherein said lateral translating includes a radially outward motion and a radially inward motion with respect to said generally vertical axis.

34. (Originally Filed) The apparatus of claim 30, wherein said direction of said lateral translating occurs in different radial directions around said generally vertical axis.

35. (Originally Filed) The apparatus of claim 30, wherein said tilting subjects the container to a generally vertical motion.

36. (Originally Filed) The apparatus of claim 30, wherein said plurality of motions does not facilitate a separation of a plurality of contents located within said container.

37. (Originally Filed) The apparatus of claim 30, wherein a velocity of said lateral translating is changed in part by a retaining mechanism coupled between a container base supportive of the container and a stationary base.

38. (Originally Filed) The apparatus of claim 30, wherein a velocity of said tilting is changed in part by a retaining mechanism coupled between a container base supportive of the container and a stationary base.

39. (Originally Filed) A method for shaking containers, comprising:
eccentrically rotating a wheel about a substantially vertical axis;
laterally moving a container base in substantial accordance with said eccentric rotation of said wheel, wherein said container base is configured to support at least one container; and
tilting said container base with respect to a horizontal surface based on the movement of said container base such that a directional orientation of said lateral translation of said container base changes in substantial accordance with said tilting.

40. (Originally Filed) The method of claim 39, wherein said tilting is caused by a base plate configured to flex according to said lateral movement of said container base.

41. (Originally Filed) The method of claim 39, wherein said base plate is configured to flex generally downward as said container base moves away from a fixed portion of said base plate.

42. (Originally Filed) The method of claim 39, wherein said base plate is configured to flex generally upward as said container base translates toward a fixed portion of said base plate.

43. (Originally Filed) The method of claim 39, wherein said tilting facilitates a change to a center of motion of said at least one said container.

44. (Originally Filed) The method of claim 43, further comprising tilting said wheel based on the movement of said container base, wherein said wheel and said container base tilt at approximately the same angle with respect to said horizontal surface.

45. (Originally Filed) The method of claim 39, wherein the movement of said container base includes a substantially radially outward motion and a substantially radially inward motion.

46. (Originally Filed) The method of claim 39, wherein the lateral movement of said container base occurs in varying radial directions around said generally vertical axis.